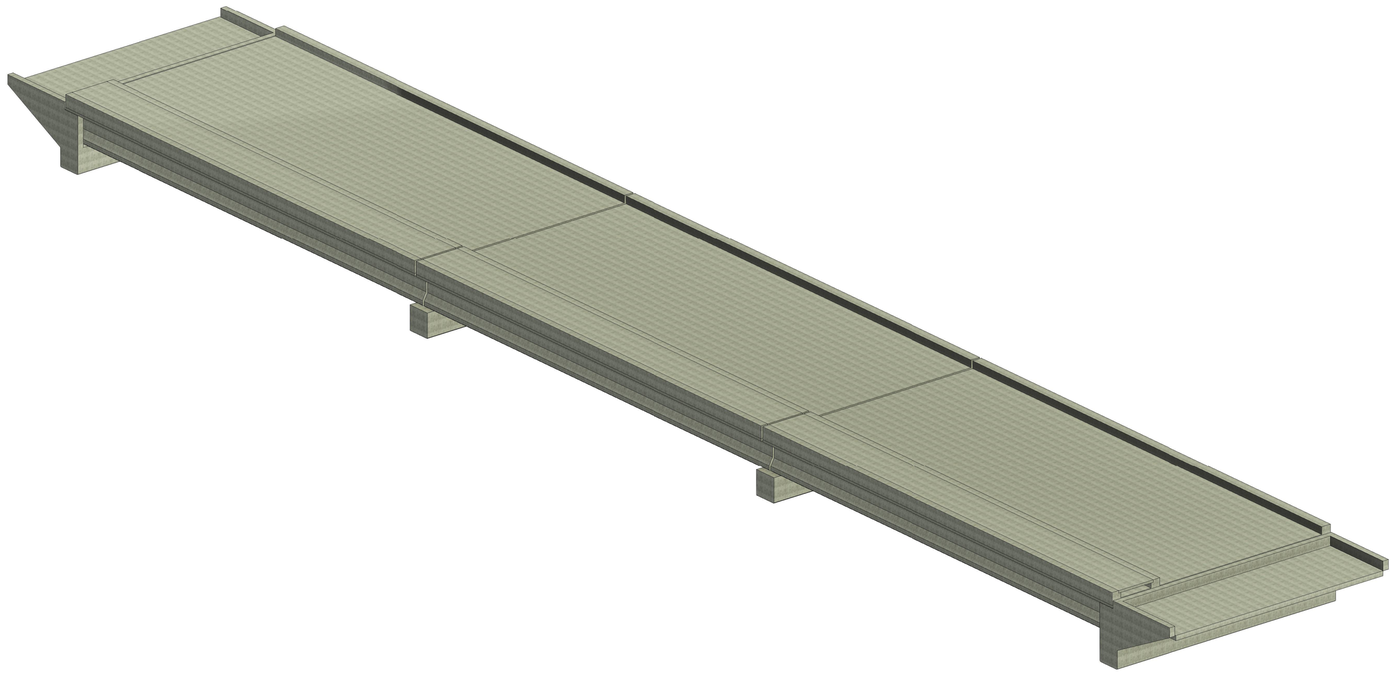

1 3D VIEW

2 Site
1 : 130

3 South
1 : 130

GENERAL NOTES
CONCRETE EXPOSURE CLASSIFICATION .. B1
MINIMUM 28 DAY COMPRESSIVE STRENGTH OF CONCRETE SHALL BE 50 MPa (CYLINDER)
MINIMUM 28 DAY COMPRESSIVE STRENGTH OF CONCRETE AT TRANSFER OF PRE STRESS SHALL BE 35 MPa (CYLINDER)
SULFATE RESISTANCE CEMENT MUST BE USED IN ALL CONCRETE WORKS
EDGES OF OFFSITE AND ENDS ONLY SHALL BE CHAMFERED 20 mm
CONCRETE SHALL NOT BE DRILLED OR OTHERWISE DISTURBED ONCE INITIAL SET HAS OCCURRED
MASS OF EACH GIRDER IS APPROXIMATELY 30.5 t BASED ON DENSITY 2600 kg/m3.
DURING STORAGE, TRANSPORT AND HANDLING, GIRDERS SHALL BE IN AN UPRIGHT POSITION AND SUPPORTED NOT MORE 500 mm FROM EACH END
GIRDERS SHALL ONLY BE LIFTED USING LIFTING DEVICES WHICH ARE ACCEPTABLE TO RELEVANT TO HIB REGULATORY REQUIREMENTS AND IN ACCORDANCE WITH THE MANUFACTURERS' RECOMMENDATIONS
PRECAST PRE STRESSED CONCRETE BEAM SECTIONS VARIATIONS IN SECTION WILL NOT BE PERMITTED
THE TOP SURFACES OF THE BEAMS ARE TO BE THOROUGHLY WIRE BRUSHED AND SCREWED TRANSVERSALLY AFTER INITIAL SET (MIN. DEPTH = 1/4 " ACROSS ENTIRE FLANGE WIDTH
***THE CAMBER AT ERECTION DIMENSION LISTED IS THE CALCULATED VALUE DUE TO THE EFFECT OF THE PRE STRESSING WITH THE WEIGHT OF THE BEAM ACTING, WITH AN ALLOWANCE FOR CAMBER GROWTH TO 90 DAYS. THE CONTRACTOR SHALL LIMIT THE CAMBER GROWTH TO A VALUE NOT TO EXCEED THE PREDICTED CAMBER AT ERECTION DIMENSION BY 1 INCH AT THE TIME OF DECK SLAB PLACEMENT. CHAMBER GROWTH IS TO BE LIMITED BY WEIGHTING, FABRICATION SCHEDULING OR OTHER APPROVED MEANS.*

*** DEAD LOAD DEFLECTION IS THE COMPUTED DEFLECTION DUE TO WEIGHT OF SLAB, DIAPHRAGMS, AND SUPERIMPOSED DEAD LOAD*
THE DESIGN SHOWN IS BASED ON THE USE OF 1/2" DIAMETER LOW - RELAXATION STRANDS MEETING THE REQUIREMENTS OF AASHTO M-203 (GRADE 270). INITIAL PRE STRESSING FORCE SHALL BE 30975LBS. PER STRAND. SLIGHT OVERSTRESSING UP TO 33000 LBS. PER STRAND WILL BE ALLOWED TO OFFSET SEATING LOSSES. THE DESIGN IS BASED ON 1/2" STRAND.

وزارة الحكم المحلي

بلدية بنغازي

المكتب

التقنية للهندسة والاستشارات
مهندسون استشاريون

3D VIEW

مقياس الرسم	*AS SHOWN*	رقم اللوحة	BNL-AH-BR-08
الموقع :	بنغازي		
التاريخ	FEB 2021	رقم الاصدار	0

اسم المشروع

الجسر رقم (4) الواقع بشارع رفيق المهدوي طريق الكورنيش

الجسر رقم (2) اللثامة